



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

December 18, 2003

Re: Invention: **Process to Fracture Connecting
Rods and the Like with Resonance-Fatigue**

Application No.: **10/643,910**

Filed on: **August 20, 2003, which is pending claims the
benefit of 09/599,409**

Country: **United States**

Inventor: **Guirgis, Sameh**

The Commissioner of Patents and Trademarks
WASHINGTON, D.C.
U.S.A. 20231

Dear Sirs:

PRELIMINARY AMENDMENT

Applicant respectfully requests prosecution of the non allowed claims which have been amended without adding any new subject matter as follows:

CLAIMS

1. A process for the fracture separation, into a first portion and a second portion of a part having a bore therethrough along a predetermined fracture plane that extends through said bore, the process comprising: clamping said first portion, selectively, so as to substantially fix the first portion; applying a harmonic force to said second portion at a selected frequency so as to achieve a resonance condition in said part during said process and to thereby create fatigue cracks; and propagating said fatigue cracks through said part until said first portion and said second portion are separated from each other.